

IN THE CLAIMS

*The status of the claims as presently amended is as follows:*

1. (Currently Amended) A projectile for use with a firing device including either a smooth bore or a rifled bore, the projectile comprising:

a front portion; and

a rear portion extending from the front portion;

wherein the front and rear portions are rotatably joined to each other to allow the front portion and the rear portion to rotate relative to each other at different rotational velocities when fired and until the projectile impacts a target; ~~and~~

wherein the rear portion includes a raised portion that is configured to engage a bore of a firing device when the projectile is fired in order to induce relative rotation between the front and rear portion; and

wherein the raised portion is a cylindrical band.

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2. (Previously Presented) A projectile according to claim 1, wherein the rear portion has less mass than the front portion.

3. Cancelled

4. (Previously Presented) A projectile according to claim 1, wherein the front portion is frangible.

5. (Currently Amended) A projectile for use with a firing device including either a smooth bore or a rifled bore, comprising:

a first portion that is frangible; and

a second portion extending from the first portion;

wherein the first and second portions are rotatably joined to each other to allow the first portion and the second portion to rotate relative to each other at different rotational velocities when fired and until the projectile impacts a target; ~~and~~

wherein at least one of the first and second portions comprises a raised portion that is configured to engage a bore of a firing device when the projectile is fired in order to induce relative rotation between the first portion and second portion;

wherein the first portion comprises a core and a plurality of fins extending outwardly from the core; and

wherein the raised portion is a cylindrical band.

6. (Previously Presented) A projectile according to claim 5, wherein the fins are frangible, which are adapted to break and spread radially outwardly from the core as the first portion penetrates a target.

7. (Previously Presented) A projectile according to claim 6, wherein a leading portion of the fins is sloped at an angle.

8. (Currently Amended) A projectile for use with a firing device that includes either a smooth bore or a rifled bore, comprising:

a front portion; and

a rear portion extending from the front portion;

wherein the front portion comprises a core and a plurality of fins extending outwardly from the core;

wherein the rear portion includes a raised portion that is configured to engage a bore of a firing device when the projectile is fired in order to induce relative rotation between the front portion and rear portion; and

wherein the front and rear portions are rotatably joined to each other to allow the first portion and the second portion to rotate relative to each other at different rotational velocities when fired and until the projectile impacts a target; and

wherein the raised portion is a cylindrical band.

9. (Original) A projectile according to claim 8, wherein the fins are frangible, which are adapted to break and spread radially outwardly from the core as the first portion penetrates a target.

10. (Original) A projectile according to claim 9, wherein a leading portion of the fins is sloped at an angle.

11. Cancelled

12. (Previously Presented) A projectile according to claim 8, wherein the rear portion has less mass than the front portion.

13. Cancelled

14. (Currently Amended) An apparatus for displacing material from a target, comprising: a firing device including a firing chamber and a bore; and at least one cartridge that fits in the firing chamber of the firing device and includes a projectile;

wherein the projectile includes a front portion and a rear portion rotatably joined to each other to allow the front portion and the rear portion to rotate relative to each other at different rotational velocities when fired and until the projectile impacts a target, ~~and~~

wherein the rear portion includes a raised portion that is configured to engage the bore of the firing device when the projectile is fired from the firing device in order to induce a relative rotation between the front portion and the rear portion; and  
wherein the raised portion is a cylindrical band.

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15. (Currently Amended) An apparatus for displacing material from a target, comprising: a firing device including a firing chamber and a bore; and at least one cartridge that fits in the firing chamber of the firing device and includes a projectile comprising a front portion and a rear portion extending from the front portion;

wherein the front portion comprises a core and a plurality of fins extending outwardly from the core,

wherein the rear portion includes a raised portion that is configured to engage the bore of the firing device when the projectile is fired from the firing device in order to induce relative rotation between the front portion and the rear portion, ~~and~~

wherein the front and rear portions are rotatably joined to each other to allow the front portion and the rear portion to rotate relative to each other at different rotational velocities when fired and until the projectile impacts a target; and wherein the raised portion is a cylindrical band.

16. Cancelled

17. Cancelled

18. (Previously Presented) A projectile as claimed in claim 1, wherein the front portion and the rear portion are rotatably joined with a bearing.

19. (Previously Presented) A projectile as claimed in claim 5, wherein the first portion and the second portion are rotatably joined with a bearing.

20. (Previously Presented) A projectile as claimed in claim 8, wherein the front portion and the rear portion are rotatably joined with a bearing.

21. (Previously Presented) An apparatus as claimed in claim 14, wherein the front portion and the rear portion are rotatably joined with a bearing.

22. (Previously Presented) An apparatus as claimed in claim 15, wherein the front portion and the rear portion are rotatably joined with a bearing.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)